

LCZL-B06 Tension Sensor

Characteristics & Usage:

The cantilever beam tension sensor is specially designed for machines with single-sided frames and is applied in industries such as cast film machines, textiles, wires, etc

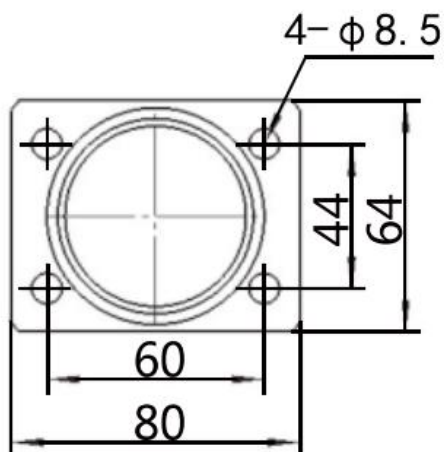
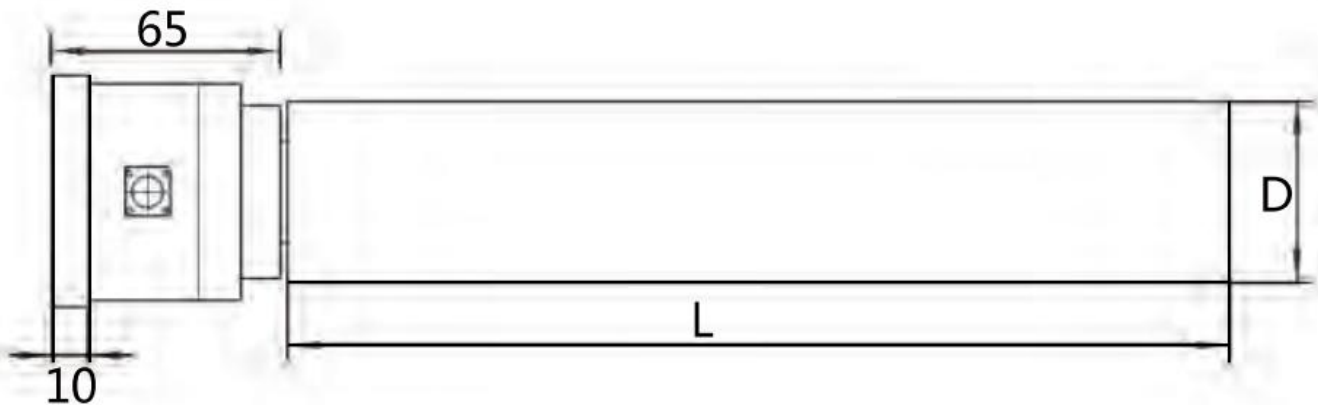
In the industry. It can detect minute changes in tension and provide excellent resolution and sensitivity, which is widely used in industrial applications

The performance is extremely outstanding.

A tension sensor is an instrument used to measure the tension value of coil materials and is typically employed in industrial fields. They can be used Pharmaceuticals, textiles, printing, packaging and other industries.



Dimensions (mm) :

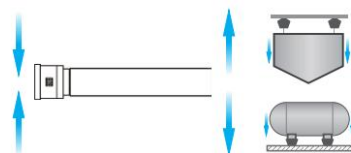
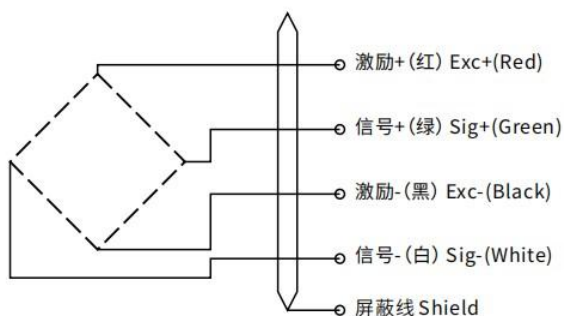


D(idler diameter):40-65mm
L(idler length):50-400mm

Capacity(N)	20	50	75	100	200	300
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Sensor wiring diagram

Force diagram



Technical parameters

量程 Capacity	20~300N	材质 Material	合金钢 Alloy Steel
输出灵敏度 Rated Output	$2.0 \pm 0.1\% \text{mV/V}$	阻抗 Impedance	350Ω
零点输出 Zero Balance	$\pm 1\% \text{F.S.}$	绝缘电阻 Insulation	$\geq 5000 \text{M} \Omega / 100 \text{VDC}$
非线性 Non-linearity	0.1% F.S.	使用电压 Recommended Excitation	5-15V
滞后 Hysteresis	0.1% F.S.	工作温度范围 Operating Temp range	-20~80℃
重复性 Repeatability	0.1% F.S.	安全超载 Safe Load Limit	150%
蠕变 (30 分钟) Creep (30 Min)	0.1% F.S.	极限超载 Ultimate Load Limit	200%
温度灵敏度漂移 Temp Effect on Output	0.05% F.S. /10℃	电缆线规格 Cable Specifications	$\Phi 5 \times 3 \text{m}$
零点温度漂移 Temp Effect on Zero	0.05% F.S. /10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS Optional 可选	